

Title (en)
CYLINDRICAL AND PERMUTATION LOCK ARRANGEMENTS

Publication
EP 0341656 A3 19901017 (EN)

Application
EP 89108316 A 19890509

Priority
CA 566657 A 19880512

Abstract (en)
[origin: EP0341656A2] Cylindrical lock arrangements and permutation lock arrangements, including, lock-out systems, a cover arrangement, and a clutch arrangement. The clutch arrangement yields under excessive force to prevent damage.

IPC 1-7
E05C 1/16

IPC 8 full level
E05B 17/00 (2006.01); **E05B 55/14** (2006.01); **E05C 1/16** (2006.01); **E05B 13/00** (2006.01); **E05B 15/00** (2006.01)

CPC (source: EP US)
E05B 17/0058 (2013.01 - EP US); **E05C 1/163** (2013.01 - EP US); **E05B 13/004** (2013.01 - EP US); **E05B 13/005** (2013.01 - EP US);
Y10T 70/5416 (2015.04 - EP US); **Y10T 70/5677** (2015.04 - EP US); **Y10T 70/5805** (2015.04 - EP US); **Y10T 70/7751** (2015.04 - EP US);
Y10T 70/7949 (2015.04 - EP US)

Citation (search report)
• [A] US 3022102 A 19620220 - RUSSELL FRED J, et al
• [A] US 2434288 A 19480113 - ANNA SCHLAGE

Cited by
EP0698705A1; US6189351B1; EP1223270A3; GB2528327A; GB2528327B; US2022042346A1; US10202784B2; WO9832938A1

Designated contracting state (EPC)
BE DE FR GB IT LU NL

DOCDB simple family (publication)
EP 0341656 A2 19891115; EP 0341656 A3 19901017; EP 0341656 B1 19930922; CA 1308762 C 19921013; DE 68909302 D1 19931028;
DE 68909302 T2 19940127; JP H0249880 A 19900220; US 5040652 A 19910820

DOCDB simple family (application)
EP 89108316 A 19890509; CA 566657 A 19880512; DE 68909302 T 19890509; JP 12024589 A 19890512; US 34935889 A 19890509